

1. DATE - TIME GROUP 12 OCT 64 <del>September 1964</del>	2. LOCATION Europe
3. SOURCE Civilian	10. CONCLUSION Materilas lab analysis indicates object is primarily quartz, and was not a meteorite.
4. NUMBER OF OBJECTS One	11. BRIEF SUMMARY AND ANALYSIS  Piece of materila assumed to be meteorite forwarded for analysis.  Object acquired on 3 September 1964 ANALYSIS 12 OCT 64  See specimen 7-3745-451  (PORTION IN PHYSICAL SPECIMEN FILE)
5. LENGTH OF OBSERVATION N/A	
6. TYPE OF OBSERVATION	
7. COURSE N/A	
8. PHOTOS <input type="checkbox"/> Yes Physical <input checked="" type="checkbox"/> No Specimen	
9. PHYSICAL EVIDENCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

FORM  
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

ARTIFACT # 341 - 25-489  
LOCATED IN ARTIFACT ROOM

~~AERONAUTICAL SYSTEMS DIVISION~~  
AIR FORCE MATERIALS LABORATORY, RESEARCH & TECHNOLOGY DIVISION  
WRIGHT-PATTERSON AIR FORCE BASE, OHIO

MATERIALS PHYSICS DIV  
AF MATERIALS

LABORATORY

EVALUATION REPORT

Analysis of Suspected Meteorite

REPORT NR: MAY 64-24  
PROJECT NR: 68002  
MANUFACTURER:  
SUBMITTED BY: FTD  
Sgt. Moody

DATE: 12 October 1964

TYPE EVALUATION:

SPEC NR:

ITEM SERIAL NR:

I. PURPOSE:

Analysis of suspected meteorite for identification.

II. FACTUAL DATA:

1. The sample was submitted for analysis and assigned Analytical Branch No. 4-1591.
2. The sample was chipped and pieces sent to X-ray diffraction for scattering pattern, infrared for spectrum between  $2.5\mu$  -  $40\mu$ , and spectrographic analysis for an emission spectrum.
  - a. X-ray diffraction gave no pattern.
  - b. Infrared spectrum showed no organic material present, but a spectrum similar to an inorganic silicate.
  - c. Spectrographic analysis gave the following results:

THIS REPORT IS NOT TO BE USED IN WHOLE OR IN PART FOR ADVERTISING OR SALES PROMOTION PURPOSES

ASD FORM 64  
JUN 61

REPLACES WADD FORM 64 WHICH IS OBSOLETE.

AF-WP-3-JUL 61 5M

<u>Element</u>	<u>Estimated %</u>
Si	40
Mg	2
Mn	1
Al	15
Fe	6
Ni	< .01
Cu	< .01
Na	0.2
Ti	0.3
Cr	< .01
K	7.
Ca	10.

### III. CONCLUSION:

The sample appears to be a form of inorganic silicate and therefore, not a form of meteorite.

### IV. RECOMMENDATIONS:

None, data merely submitted.

PREPARED BY:

*Paul M. Maslona*  
Paul M. Maslona, 2d Lt., USAF

### PUBLICATION REVIEW

This report has been reviewed and is approved.

*Doctor S. Morrissey*  
DOCTOR S. MORRISSEY, Capt., USAF  
Asst. Chief, Analytical Branch  
Materials Physics Division  
AF Materials Laboratory

### DISTRIBUTION:

FTD (Sgt. Moody)  
MAY  
MAYA (5 cys)  
MAAM (Library)

MAY 64-24

# SUBORDER (Ref ASDR 80-4)

1. TO (Supporting Element) <b>MAYA</b>	2. DATE <b>6 OCT 64</b>	3. FOR SERVICE IN SUPPORT OF: SYSTEM NO.	4. FILE OR LEDGER NO. INITIATING ELEMENT
5. DATE COMPLETION REQ. <b>ASAP</b>	6. PRIORITY	PROJECT NO.	SUPPORTING ELEMENT <b>4-1591</b>
7. SECURITY CLASSIFICATION OF WORK REQUESTED	8. PRECEDENCE RATING	TASK NO. <b>68002 (FTD)</b>	
9. A/C TYPE, MODEL AND SERIAL NO.		PROGRAM STRUCTURE	OTHER
		TITLE	

## 10. DESCRIPTION OF WORK

EMISSION ON SUSPECTED  
METEORITE

CONTINUED ON REVERSE SIDE ☐

### FOR USE OF RESPONSIBLE ELEMENT

11. INITIATED BY <b>Sgt. Moody</b>	12. APPROVED BY	13. CHIEF (Responsible Element)
ORGN SYMBOL <b>FTD</b> EXT <b>69216</b>	ORGN SYMBOL EXT	

### FOR USE OF SUPPORTING ELEMENT

14. ESTIMATED COMPLETION DATE	15. PROJECT ENGINEER OR PLANNER <b>CDH</b>	16. CHIEF (Supporting Element)
MAN-HOURS	ORGN SYMBOL EXT	

### CLOSING ACTION

17. REASON: <input checked="" type="checkbox"/> COMPLETED <input type="checkbox"/> CANCELLED	20. CHIEF (Supporting Element) <b>Dr. J. Manney</b> <b>Capt. USAF</b>	21. CHIEF (Responsible Element)
18. DATE COMPL <b>8 OCT 64</b>	19. M/HR EXP <b>2</b>	

OFFICIAL FILE COPY

TDEW

Analysis of Suspected Meteorite

14 Oct 64

AFMDC (MDF)  
Holloman AFB, New Mexico 88330

Attn: Lt Colonel Howard L. Conkey

We have completed analysis on the suspected meteorite which you forwarded to us on 25 Sep 64. Analysis completed by the Air Force Materials Laboratory on 12 Oct 64 indicated that the object was not a meteorite. We are returning the object and enclosures to you as requested.

FOR THE COMMANDER

ERIC T de JONCKHEERE  
Colonel, USAF  
Deputy for Technology  
and Subsystems

3 Atchs

1. Ltr from ~~Steinhoff~~ to  
Dr Steinhoff, 5 Sep 64
2. Pkg containing particle
3. Analysis

HEADQUARTERS  
AIR FORCE MISSILE DEVELOPMENT CENTER

AIR FORCE SYSTEMS COMMAND  
UNITED STATES AIR FORCE  
Holloman Air Force Base, New Mexico 88330



REPLY TO  
ATTN OF: MDF

25 Sep 64

SUBJECT: Meteorite Particle for Analysis

TO: FTD (TDEW)  
Wright-Patterson AFB, Ohio 45433

1. Dr Ernst Steinhoff, AFMDC Chief Scientist, on a recent trip to Europe picked up a small bit of material allegedly part of a larger meteorite. The object plus a translated description are forwarded with this letter.

2. In the event the object is of interest to you, request you arrange for detailed analysis and provide my office (MDFC) with a final report. If you are not interested please return the object and inclosures, and I will turn them over to the School of Mines; Socorro, New Mexico for analysis outside of the Foreign Technology program.

FOR THE COMMANDER

*Howard L. Conkey*  
HOWARD L. CONKEY  
Lt Col, USAF  
Deputy for Foreign Technology

2 Atch:

1. Ltr fr [redacted] to Dr Steinhoff, 5 Sep 64.
2. One sealed pkg.

Abc [redacted]  
[redacted] [redacted]

67 Ludwigshafen  
a. Rh. Oggersheim  
CO Hermann was  
20-10-1944  
[redacted]

TRANSLATION

[REDACTED] ersheim, 5 Sep 64

Dear Dr. Steinhoff!

In reference to our telephone conversation of 3 September 1964, please find attached hereto the promised price of meteorite stone.

It has a degree of hardness of 6-8, contains quartz, and in a pulverized state can be utilized as a safety coating against Xrays and other radiation.

I am convinced that the examination of this specimen could lead to an interesting result, especially in view of the fact that the world's best research facilities are at your disposal.

Should you have an interest in other materials, I can also make these available to you.

I personally am not in possession of these meteor stones; however, I can act as the go-between to procure them.

Respectfully yours,

/s/ [REDACTED] IG

Translated by:

Victor E. Seyen, Jr.  
Technical Support Directorate (MDFC)  
Deputy for Foreign Technology  
Holloman AFB, New Mexico  
25 September 1964

atch 1

EUROPE 12 OCT 64

CASE INCLUDES PHYSICAL  
SPECIMEN (QUARTZ) IN  
SEPARATE FOLDER